

**IN THE CLAIMS**

Please amend the claims as follows:

1. (Withdrawn) An apparatus comprising:  
a fuel cell to receive a fuel;  
an integrated circuit; and  
a cooling system to cool the integrated circuit, wherein the cooling system includes a fluid path for the fuel.
2. (Withdrawn) The apparatus of claim 1 further comprising:  
a second integrated circuit; and  
a second cooling system to cool the second integrated circuit wherein the second cooling system includes a fluid cooling medium.
3. (Withdrawn) The apparatus of claim 2 wherein the fuel cell includes at least one electrode through which the fluid cooling medium can pass.
4. (Withdrawn) The apparatus of claim 3 further comprising a pump to pump the fluid cooling medium.
5. (Withdrawn) The apparatus of claim 3 wherein the second cooling system comprises a heat pipe.
6. (Withdrawn) The apparatus of claim 2 wherein the second cooling system is adapted to cool the fuel cell.
7. (Withdrawn) The apparatus of claim 6 further comprising at least one temperature sensor.

8. (Withdrawn) The apparatus of claim 7 wherein the temperature sensor is configured to sense a temperature of the fuel cell.
9. (Withdrawn) The apparatus of claim 7 wherein the temperature sensor is configured to sense a temperature of the second integrated circuit.
10. (Withdrawn) The apparatus of claim 7 further comprising a control system adapted to modify a fluid flow in response to a temperature sensed by the temperature sensor.
11. (Withdrawn) The apparatus of claim 7 further comprising a control system adapted to modify a power output level of the fuel cell in response to a temperature sensed by the temperature sensor.
12. (Withdrawn) The apparatus of claim 2 wherein the integrated circuit comprises a processor.
13. (Withdrawn) The apparatus of claim 2 wherein the fluid cooling medium comprises a liquid metal.
14. (Withdrawn) The apparatus of claim 2 wherein the second cooling system is adapted to have the fluid medium pass through a phase change.
15. (Currently Amended) An apparatus comprising:
  - a fuel cell having an electrode with fluid passages through which a fluid cooling medium can pass; and
  - a heat generating device to preheat fuel for the fuel cell[.];
  - a fuel pump to pump the fuel to the fuel cell;
  - a coolant pump to pump the fluid cooling medium; and
  - a control system to influence operation of the fuel pump and coolant pump responsive to a temperature of the fuel cell and a temperature of a processor.

16. (Canceled)
17. (Original) The apparatus of claim 15 wherein the heat generating device comprises an integrated circuit.
18. (Original) The apparatus of claim 17 wherein the integrated circuit comprises a graphics circuit.
19. (Currently Amended) The apparatus of claim 17 wherein the integrated circuit comprises ~~[[a]]~~ the processor.
20. (Original) The apparatus of claim 17 further comprising a cooling system coupled to the fluid passages.
21. (Original) The apparatus of claim 20 wherein the fluid cooling medium comprises a liquid metal.
22. (Original) The apparatus of claim 20 further comprising a second integrated circuit adapted to be cooled by the cooling system.
23. (Original) The apparatus of claim 20 comprising a temperature sensor.
24. (Currently Amended) The apparatus of claim 23 ~~further comprising a wherein the~~ control system is adapted to increase the fuel cell output when ~~[[a]] the temperature sensed by the temperature sensor of the fuel cell~~ drops.
25. (Withdrawn) A method comprising:  
preheating a fuel for a fuel cell in a first cooling system; and  
cooling the fuel cell in a second cooling system.

26. (Withdrawn) The method of claim 25 further comprising:  
sensing a temperature within the second cooling system; and  
modifying a power output of the fuel cell.
27. (Withdrawn) The method of claim 26 wherein sensing a temperature comprises sensing a temperature of the fuel cell.
28. (Withdrawn) The method of claim 26 wherein sensing a temperature comprises sensing a temperature of a device cooled by the second cooling system.
29. (Withdrawn) An electronic system comprising:  
a fuel cell to receive a fuel;  
an integrated circuit;  
a cooling system to cool the integrated circuit, wherein the cooling system includes a fluid path for the fuel; and  
an antenna coupled to the integrated circuit.
30. (Withdrawn) The electronic system of claim 29 wherein the electronic system comprises a computer.
31. (Withdrawn) The electronic system of claim 30 wherein the fuel cell is external to the computer.
32. (Withdrawn) The electronic system of claim 30 wherein the fuel cell is in a swappable bay of the computer.
33. (Withdrawn) The electronic system of claim 30 wherein the fuel cell is semi-permanently affixed within the computer.